

PLANS

BY

DATE

DESIGNED

CHECKED

DELETED

DK

CV

SDSE - Structural Engineers

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San Diego, California 92108-1742

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REGISTERED CIVIL ENGINEER

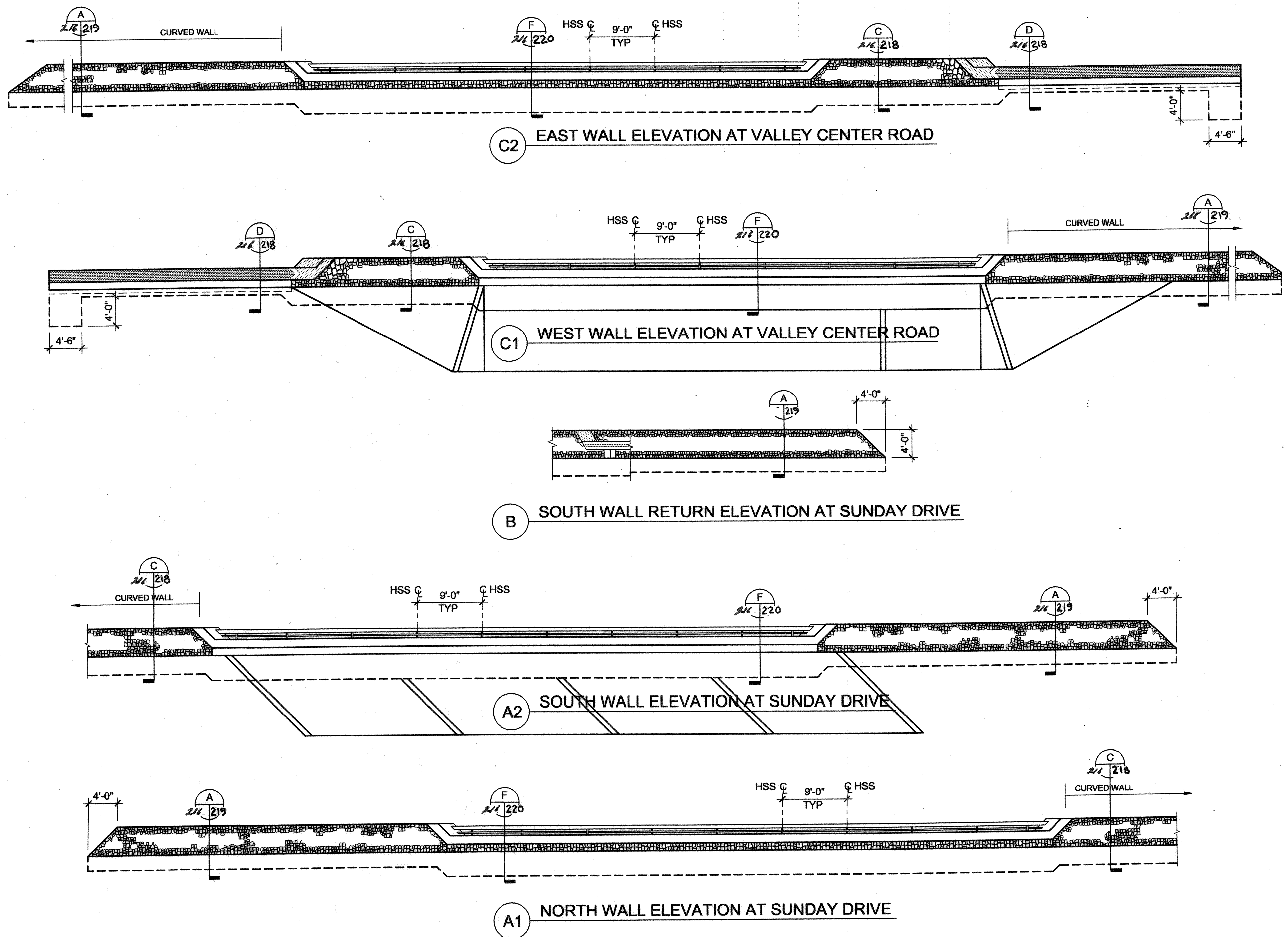
DATE

- MATERIALS (CONT)**
5. AGGREGATES: ASTM C144
- A) SAND: FINE GRANULAR MATERIALS, COMPOSED OF HARD, STRONG, DURABLE MINERAL PARTICLES FREE FROM INJURIOUS AMOUNTS OF SALINE, ALKALINE, ORGANIC OR OTHER DELETERIOUS SUBSTANCE, COMPLYING WITH SPECIFICATION FOR AGGREGATE, MASONRY MORTAR, ASTM C144, 30 OR 60 MESH.
- B) PEA GRAVEL: ASTM C404, WORKED AND GRADED WITH NO MORE THAN 5% PASSING NO. 8 SIEVE AND WITH 100% PASSING 3/8 INCH.
6. WATER: CLEAN, POTABLE, FROM DOMESTIC SUPPLY, FREE FROM IMPURITIES THAT ARE INJURIOUS TO THE CONSTRUCTION.
7. CLEANING MATERIALS: APPLY TO MOCK-UP PRIOR TO USE ON PROJECT. INSTALLATION TO VERIFY COMPATIBILITY AND THE ABSENCE OF DISCOLORATION OR OTHER SIDE EFFECTS.

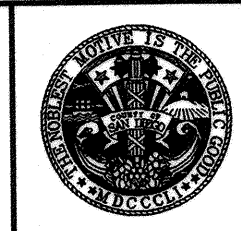
- MORTAR AND GROUT**
1. MOTOR: TYPE "S", COMPOSED (BY VOLUME) OF ONE PART PORTLAND CEMENT, « PART LIME PUTTY, AND SAND IN NOT LESS THAN 2- AND NOT MORE THAN 3 TIMES THE SUM OF THE VOLUMES OF CEMENT AND LIME USED AND ADMIXTURE IN THE PROPORTION RECOMMENDED BY THE MANUFACTURER.
- A) LIME PUTTY: STORE LIME PUTTY, MADE FROM HYDRATED LIME, FOR 48 HOURS BEFORE USE. SCREEN THROUGH A 16 MESH SIEVE.
- B) MIXING: MIX WATER, SAND, AND CEMENT FOR TWO MINUTES, THEN ADD LIME IN A MECHANICALLY OPERATED BATCH MIXER; A CONTINUOUS MORTAR MIXER WILL NOT BE PERMITTED.
2. GROUT:
- A) COMPOSE (BY VOLUME) OF ONE PART PORTLAND CEMENT, THREE PARTS MORTAR SAND, AND TWO PARTS PEA GRAVEL, TO WHICH ADD ONE PINT OF ADMIXTURE FOR EACH SACK OF CEMENT.
- B) MIXED AS REQUIRED FOR MORTAR, EXCEPT ADJUST THE AMOUNT OF WATER TO MAKE A CREAMY FLOW THAT WILL ALLOW THE GRAVEL FOR GROUT SPACES LESS THAN 2 INCHES CLEAR IN HORIZONTAL DIMENSION TO FLOW FILLING ALL VOID AREAS.
- C) MORTAR AND GROUT NOT USED WITHIN 30 MINUTES AFTER LEAVING MIXER SHALL NOT BE PERMITTED ON THE WORK. RETEMPERING OF MIXTURE WILL NOT BE ALLOWED.
- D) MORTAR AND GROUT: MINIMUM 2000 PSI AT 28 DAYS COMPRESSIVE STRENGTH.

- INSPECTION**
1. INSPECT RELATED WORK AND ADJACENT SURFACES FOR COMPLETENESS.

- PREPARATION**
1. PREVIOUSLY PLACED CONCRETE MASONRY OR CONCRETE WALLS: CLEAN OF ENCRUSTATIONS, LAITANCE, OIL AND COATING WHICH WOULD REDUCE BOND. WASH WORK THOROUGHLY WITH WATER UNDER PRESSURE; LEAVE SURFACES DAMP WHERE MASONRY UNITS CONNECT WITH EARLIER PLACED WORK.
2. STONE UNITS: THOROUGHLY CLEAN OF DUST, GREASE, OIL, OR OTHER MATTER WHICH WOULD REDUCE BOND.
3. WETTING OF STONE:
- A) DETERMINE ABSORPTION BY PLACING 20 DROPS OF WATER INSIDE A CIRCLE THE SIZE OF A QUARTER ON TYPICAL UNITS. IF WATER IS ABSORBED WITHIN 1-« MINUTES, WET STONE BEFORE LAYING.
- B) USE WETTING METHODS WHICH ENSURE THAT EACH STONE VENEER UNIT IS NEARLY SATURATED BUT SURFACE DRY WHEN LAID.



COUNTY OF SAN DIEGO  
DEPARTMENT OF PUBLIC WORKS  
5555 OVERLAND AVENUE, SAN DIEGO, CA 92123-1295



REVISIONS	BY	APPROVED	DATE

COORDINATE INDEX
370 N. 1781 E.
CONST. COMPL.
FIELD REVISIONS

VALLEY CENTER ROAD BRIDGE OVER  
MOOSA CANYON CREEK 57C-0266  
ELEVATIONS

SHEET 4

SP258-1

SCALE: HOR. 1/8"=1' VERT. 1/8"=1'

W.A. W1101 R.S. 1838-3 TO -6

FILE NO.

SHEET 217 OF 256 SHEETS